

P.B.5018 - Patantiasa 2 2250 HW Rijawijk (ZH) . © +31 70 340 7040 TX 31651 epp ri FAX +31 70 340 3018 Europäisches Patentamt

Zweigsteile in Den Haag Racherchonattellung European Patent Office

Branch #1 The Hague Search division Office européen des brevets

Département à La Haye Division de la rechergie

Maiwald Patentanwalts GmbH Elisenhof Elisenstrasse 3 80335 München ALLEMAGNE	٦	

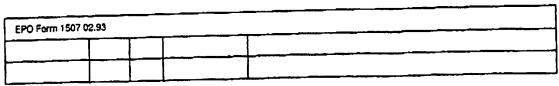
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Zeichen/Reil, Réf. H 8631/V	M	Armeldung Nr/Application No/Dem: 00943309.5	ande n' Pateni Nr /Pateni No/o	1870(17.
Annelded Applicant/Demands Marchos	urPatentiehabourProprietor/Titulatre Ky, J. Alexander			
		COMMUNIC	CATION	
The Europea	an Patent Office herewith transm	its		
	the European search report			
. •	the declaration under Rule 45 8	PC		
	the partial European scarch rep			
2 0	the supplementary European's relating to the above-montioned enclosed.	earch report concerning the intern d European patent application. Co	vational application under Ani aples of the documents cited i	cte 157(2) EPC in the search report are
The followin	ng specifications given by the ap	plicant have been approved by the	Search Division :	
	Abstract	Title		Figure
		no Search Olvision and the definiti		
	The following figure will be pub	Eshed with the abstract, since the	Search Division considers th	at It better characterises
_	the invention than the one India	cased by the applicant.		

REFUND OF THE SEARCH FEE

Additional copy(copies) of the documents cited in the European search report.

Figure:

If applicable under Article 10 Rules retailing to less, a separate communication from the Receiving Section on the retund of the search fee will be sent later.







SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent ConventionEP 00 94 3309 shall be considered, for the purposes of subsequent proceedings, as the European search report

	Citation of document with Ind		Releva	nt (CLASSIFICATION OF THE	
STEGOTA	of relevant passag	168	to ctain	<u> </u>	APPLICATION (INEC.7)	
X	EP 0 522 569 A (UNIT CORP) 13 January 199 • page 4, line 39 -	3 (1993-01-13)	1-5, 56-60	A	C12N5/00 A61F13/00 A61L27/00 A61K35/32	
Y	WO 91 01720 A (AUFDE ;FOX WILLIAM CASEY (RICHA) 21 February 1 * claims 3,9,12 *	US); HOLT GEORGE	1-45, 57-60	A	61P19/00	
Y	WO 98 14222 A (CHILD 9 April 1998 (1998-0 + claims 9-11 *	RENS MEDICAL CENTER)	1-45, 57-60			
Y	WO 97 32591 A (ORQUE 12 September 1997 (1 * the whole document	1997-09-12)	1-45, 57-60			
Y	WO 98 40113 A (GROOM FLORIDA (US); WIRON FLORI) 17 September claims	EN JOHN F (US); UNIV	1-45, 57-60		TECHNICAL FIELDS SEARCHED (IRLCLT)	
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		-/			A61F	
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The	supplementary search report has be and available at the start of the sear	een based on the last set of claims rch.	ATIO	<u> </u>	A61P	
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not con	arch Division considers that the present they with the EPC to such an extent that sed out, or can only be confied out panish searched completely:	ppplication, or some or all of its claims, on a meaningful search into the state of the sty, for the following claims:	does/do o est cannot			
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me 52	though claims 57-60 thod of treatment of (4) EPC), the search the alleged effects	the human/animal body has been carried out	y (Artic	le		
<u> </u>	Place of search	Date of completion of the sear	σı		Екателен	
	MUNICH	11 June 2003		Thal	mair, M	
Y:£	CATEGORY OF CITED DOCUMENTS MALICULARLY relevant if laken alone markeutary relevant it combined with and notinent of the same category	E : earlior pale after the fill ther D : document	rinciple underly and document, b ing date cased in the app cased for other n	rui poblis Acellon	wention had on, or	
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PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 00 94 3309

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.CL7)
этэдагу	Citation of document with indication, where appropriate, of relevant passages	Railevant to claim	
Y	US 5 702 716 A (DUNN RICHARD L ET AL) 30 December 1997 (1997-12-30) * column 4, line 31 * * column 10, last paragraph - column 11, line 7 *	1-4	
r	EP 0 312 208 A (ETHICON 1NC) 19 April 1989 (1989-04-19) * claims 4,10,11 *	1-4	
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
	·		

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims tees have been paid within the prescribed time limit. The present European search report he been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
1-45, 56-60
None of the further search fees have been pald within the fixed time limit. The present European sea report has been drawn up for those parts of the European patent application which relate to the linve first memilioned in the claims, namely claims:



LACK OF UNITY OF INVENTION SHEET B

Application Number EP 00 94 3309

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 61-64

method of filling a bone defect comprising filling the bone defect with a rigid material consisting essentially of chitin or chitosan.

2. Claims: 56 (whole), 57-60 (part)

composition for promoting the growth and strengthening of bone comprising a mixture of

- hyaluronic acid,

- cancellous bone, and

- demineralized bone matrix

and method of inducing bone formation in a vertebrate applying such a composition to a site in the vertebrate where bone formation is desired.

3. Claims: 54-55 (whole), 57-60 (part)

composition for promoting the growth and strengthening of bone comprising a mixture of

- chitosan or chitosan derivative

alginate

- cancellous bone, and

- demineralized bone matrix

and method of inducing bone formation in a vertebrate applying such a composition to a site in the vertebrate where bone formation is desired.

4. Claims: 50-53 (whole), 57-60 (part)

composition for promoting the growth and strengthening of bone comprising a mixture of

- alginate,

- calcium.

- cancellous bone, and

- demineralized bone matrix

and method of inducing bone formation in a vertebrate applying such a composition to a site in the vertebrate where bone formation is desired.

5. Claims: 46-49 (whole), 57-60 (part)

composition for promoting the growth and strengthening of bone comprising a mixture of



LACK OF UNITY OF INVENTION SHEET B

Application Number EP 00 94 3309

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

- a chitosan or chitosan derivative,
- cancellous bone, and
- demineralized bone matrix

and method of inducing bone formation in a vertebrate applying such a composition to a site in the vertebrate where bone formation is desired.

6. Claims: 1-45 (whole), 57-60 (part)

composition comprising four components selected from (a) one or more angiogenesis-stimulating materials such as fibroblast growth factors, vascular endothelial growth factors etc.,

(b) one or more osteoinductive materials such as demineralized bone matrix, non-decalcified bone matrix,(c) one or more scaffolding materials such as cancellous bone, chitosan etc.

(d) one or more gel materials such as chitosan, alginate, hyaluronic acid etc.

and method of inducing bone formation in a vertebrate applying such a composition to a site in the vertebrate where bone formation is desired.